



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cantor *et al.*

Serial No.: 09/395,409

Confirmation No.: 6005

Filed: September 14, 1999

For: SOLID PHASE SEQUENCING OF
BIOPOLYMERS

Art Unit: 1655

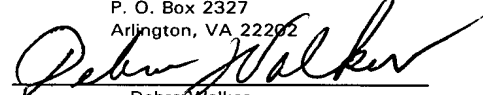
Examiner: Chakrabarti, A.

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: EV018382628US
Date of Deposit: July 22, 2002

I hereby certify that this paper and the attached papers are being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and addressed to:

U.S. Patent and Trademark Office
P. O. Box 2327
Arlington, VA 22202



Debra Walker

MARKED UP CLAIMS IN ACCORDANCE WITH 37 C.F.R. § 1.121

Please amend claims 67, 71 and 125 as follows:

67. (Amended) The method of claim 64, wherein each probe is attached to the solid support by a bond selected from the group consisting of a covalent bond, an electrostatic bond, a hydrogen bond, a cleavable bond, a photocleavable bond, a disulfide bond, a peptide bond, a diester bond, [and] a selectively releasable bond[, or] and [a combination] combinations thereof.

71. (Amended) The method of claim 67, wherein the bond is a selectively releasable bond [is] and comprises 4, 4'-dimethoxytrityl or a derivative thereof.

125. (Twice Amended) [An array of nucleic acid probes, comprising a plurality of probes] The array of claim 124, wherein:

[each probe comprises a single-stranded portion comprising a variable sequence;

the array is attached to a solid support comprising a matrix that facilitates the volatilization of nucleic acids for mass spectrometry;]

the array comprises a nucleic acid probe having at least one mass-modifying functionality.

RECEIVED
JUL 31 2002
TECH CENTER 1600/2900